

PATENT ABSTRACTS OF JAPAN

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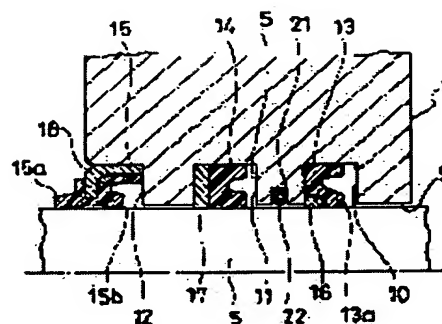
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(54) ROD SEALING STRUCTURE OF HYDRAULIC CYLINDER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a sealing structure of a hydraulic cylinder, for preventing the pressure in a space part between a first U-shaped packing and a second U-shaped section from being increased suddenly even if operating fluid collects in the space.

SOLUTION: In this rod sealing structure of the hydraulic cylinder, a piston 4 fitted to a piston rod 5 is movably disposed in a cylinder 1, and the piston rod 5 is slidably sealed and supported in the cylinder 1 through a wiper seal 5, a first packing 13 and a second packing 14. The cylinder 1 intermediating between the first packing 13 and the second packing 14 is provided with a storing groove 21, and a pressure rise relief member 22 for relieving the pressure rise caused by operating fluid collecting in the space part S between the first packing 13 and the second packing 14 is inserted in the storing groove 21.



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